

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 13   | "625920"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/18 14:46 |
| S2    | 2    | "4160165".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/18 14:46 |
| S3    | 15   | ("4160165").URPN.  | USPAT   | OR               | ON      | 2005/09/18 14:46 |
| S4    | 9    | ("2193789"   "3171032"   "3198947"   "3670202"   "3903417"   "4032784").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2005/09/18 14:54 |
| S5    | 7    | (US-4160165-\$ or US-5859429-\$ or US-5574287-\$ or US-5548111-\$ or US-4965444-\$ or US-4764678-\$ or US-3670202-\$).did.   | USPAT   | OR               | ON      | 2005/09/18 14:55 |
| S6    | 0    | ("5548111").URPN.  | USPAT   | OR               | ON      | 2005/09/18 14:57 |
| S7    | 10   | ("3183353"   "3515878"   "3714441"   "4160165"   "4220851"   "4661693"   "5004904"   "5157250").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2005/09/18 14:57 |
| S8    | 10   | ("4220851").URPN.  | USPAT   | OR               | ON      | 2005/09/18 15:01 |
| S9    | 12   | (US-4160165-\$ or US-5859429-\$ or US-5574287-\$ or US-5548111-\$ or US-4965444-\$ or US-4764678-\$ or US-3670202-\$ or US-5157250-\$ or US-5004904-\$ or US-4661693-\$ or US-4220851-\$ or US-6087656-\$).did.  | USPAT   | OR               | ON      | 2005/09/18 15:05 |
| S10   | 8    | ("3922541"   "4053767"   "4220851"   "4272677"   "4300043"   "4346590"   "5160844"   "5376797").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | ON      | 2005/09/18 15:09 |
| S11   | 17   | (US-4160165-\$ or US-5859429-\$ or US-5574287-\$ or US-5548111-\$ or US-4965444-\$ or US-4764678-\$ or US-3670202-\$ or US-5157250-\$ or US-5004904-\$ or US-4661693-\$ or US-4220851-\$ or US-6087656-\$ or US-5376797-\$ or US-5160844-\$ or US-4346590-\$ or US-4300043-\$ or US-4053767-\$).did. | USPAT   | OR               | ON      | 2005/09/18 15:14 |
| S12   | 1376 | 250/252.1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/18 15:14 |
| S13   | 184  | 250/261.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/18 15:14 |
| S14   | 1335 | 250/252.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/18 15:14 |
| S15   | 0    | 250/263.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/18 15:15 |
| S16   | 294  | 250/363.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/09/18 15:15 |

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| S17 | 1142 | 250/207.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:51 |
| S18 | 253  | 250/214ag.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:17 |
| S19 | 1447 | 250/214vt.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:17 |
| S20 | 996  | 250/214la.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:17 |
| S21 | 6007 | S12 S13 S14 S15 S16 S17 S18 S19 S20  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:18 |
| S22 | 1132 | S21 and (photomultiplier photo adj multiplier pmt)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:18 |
| S23 | 696  | S22 and (stabiliz\$5 calibrat\$5 regulat\$4 gain)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:08 |
| S24 | 14   | "6342698".pn. "5859429".pn. "5548111".pn. "5237173".pn.<br>"5004904".pn. "4605856".pn. "4160165".pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:24 |
| S25 | 933  | S21 and scintillat\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:27 |
| S26 | 515  | S25 and (stabiliz\$5 calibrat\$5 regulat\$4 gain)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:28 |
| S27 | 330  | S23 and S26  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:58 |
| S28 | 881  | S23 S26  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:29 |
| S29 | 47   | S28 and splitter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:56 |

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| S30 | 45    | S28 and beam adj splitter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:29 |
| S31 | 7     | S28 and beam adj splitter.clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:51 |
| S32 | 2     | S27 and beam adj splitter.clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:53 |
| S33 | 3     | S27 and beam adj splitter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:54 |
| S34 | 4     | S27 and splitter  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:56 |
| S35 | 18    | S27 and split\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 15:56 |
| S36 | 153   | S27 and temperature   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:43 |
| S37 | 198   | S14 and (pmt or photomultiplier or photo adj multiplier)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:44 |
| S38 | 14724 | S37 andf temperature and scintillat\$4 and (led or diode of light adj source)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:45 |
| S39 | 37    | S37 and temperature and scintillat\$4 and (led or diode of light adj source)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:45 |
| S40 | 35    | S37 and temperature and scintillat\$4 and (led or diode or light adj source)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:46 |
| S41 | 16    | S37 and temperature and scintillat\$4 and (led or diode or light adj source) and stabiliz\$5        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:46 |
| S42 | 2     | S37 and (temperature and scintillat\$4 and (led or diode or light adj source) and stabiliz\$5).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:49 |

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| S43 | 0     | S37 and (temperature and scintillat\$4 and (led or diode or light adj source) and stabiliz\$5).clm. and split\$5                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:49 |
| S44 | 0     | S21 and (temperature and scintillat\$4 and (led or diode or light adj source) and stabiliz\$5).clm. and split\$5                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:49 |
| S45 | 0     | S21 and temperature.clm. and scintillat\$4.clm. and (led or diode or light adj source) near4 puls\$5.clm. and stabiliz\$5.clm. and split\$5.clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:50 |
| S46 | 0     | temperature.clm. and scintillat\$4.clm. and (led or diode or light adj source) near4 puls\$5.clm. and stabiliz\$5.clm. and split\$5.clm.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 16:51 |
| S47 | 1510  | S13 S14  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:09 |
| S48 | 1992  | S23 S47  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:09 |
| S49 | 37173 | S48 (photo adj multiplier photomultiplier pmt)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:14 |
| S50 | 62784 | S48 scintillat\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:10 |
| S51 | 449   | S48 and scintillat\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:14 |
| S52 | 734   | S48 and (photo adj multiplier photomultiplier pmt)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:13 |
| S53 | 2643  | S13 S14 S17  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:14 |
| S54 | 746   | S53 and (photo adj multiplier photomultiplier pmt)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:33 |
| S55 | 475   | S53 and scintillat\$5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:33 |

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| S56 | 843 | S53 and (led diode light adj source)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:15 |
| S57 | 83  | S53 and (led diode light adj source) near3 puls\$4                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:15 |
| S58 | 273 | S53 and (led diode light adj source) same puls\$4                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:34 |
| S59 | 157 | S53 and split\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:15 |
| S60 | 85  | S53 and split\$5 near3 beam  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:16 |
| S61 | 728 | S53 and temperature  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:16 |
| S62 | 23  | S53 and temperature near4 scintillat\$4                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:19 |
| S63 | 306 | S54 and S55  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:22 |
| S64 | 19  | S63 and S62  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:17 |
| S65 | 9   | S53 and temperature near4 scintillat\$4 same (measur\$4 determin\$5)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:19 |
| S66 | 9   | S53 and temperature near4 scintillat\$4 same (measur\$4 determin\$5 sens\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:19 |
| S67 | 73  | S63 and stabiliz\$6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:27 |
| S68 | 22  | S63 and stabiliz\$6.clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:22 |

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| S69 | 27  | S63 and S57  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:32 |
| S70 | 16  | S69 and S61  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:32 |
| S71 | 181 | S53 and (photo adj multiplier photomultiplier pmt).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:32 |
| S72 | 181 | S53 and (photo adj multiplier photomultiplier pmt).clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:33 |
| S73 | 104 | S53 and scintillat\$5.clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:33 |
| S74 | 55  | S72 and S73  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:33 |
| S75 | 32  | S53 and (led diode light adj source) same puls\$4.clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:34 |
| S76 | 82  | S74 S75  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:34 |
| S77 | 5   | S74 and S75  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:35 |
| S78 | 0   | S77 and split\$5.clm.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:35 |
| S79 | 2   | S77 and stabiliz\$5.clm.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/09/18 17:35 |
| S80 | 25  | (US-4160165-\$ or US-5859429-\$ or US-5574287-\$ or<br>US-5548111-\$ or US-4965444-\$ or US-4764678-\$ or<br>US-3670202-\$ or US-5157250-\$ or US-5004904-\$ or<br>US-4661693-\$ or US-4220851-\$ or US-6087656-\$ or<br>US-5376797-\$ or US-5160844-\$ or US-4346590-\$ or<br>US-4300043-\$ or US-4053767-\$ or US-6342698-\$ or<br>US-5237173-\$ or US-4605856-\$ or US-6835935-\$ or<br>US-6407390-\$ or US-6064068-\$ or US-6051830-\$ or<br>US-5677536-\$).did. | USPAT   | OR | ON | 2005/09/18 17:36 |